



my journey starts here

lux-Airport invests in the production of Sustainable Aviation Fuel based on renewable energy

29th of March 2022

We are the platform to facilitate traveling & innovation in sustainability

Our engagement – business with certified focus on sustainability

1. Smart use of resources (energy, heating, water)
2. Renewable energy, 100% Hydropower
3. Platform for innovation

Examples:

Carpark / smart LED's = 77% energy reduction

Runway renovation / re-use asphalt / LED's

E-mobility: E-bus, E-car rental, own E-Fleet

Water Saving: waterless urinals (7million litres/year)

Waste Management: Sorting, Cigarette butts

Engage biodiversity: bees at the airport

Solar power



Airports are the platform to drive carbon neutrality in aviation

Our decarbonisation engagement

Airport Own Activities

Carbon neutral (level 3+ certified by ACI, Airport Carbon Accreditation)

Committed to higher goals → Net-Zero by 2030



Aircraft Propulsion Energy Supply

Electric



Source: Heart Aerospace

Hydrogen



Source: FlyZero

Sustainable Aviation Fuel



Source: WSP

Framework

EU aiming for ambitious and rigid targets on accelerated decarbonisation

Essential element of European Commission’s **Fit for 55** package is the „regulation on ensuring a level playing field for sustainable air transport“ (**ReFuel EU Aviation**)

The Grand Duchy was among the seven co-signatories of an open letter to the European Commission, proposing more ambitious national blending mandates.

- Obligation to steadily increase the SAF share

2025	2030	2035	2040	2045	2050
2% SAF	5% SAF, thereof 0,7% eFuels	20% SAF, thereof 5% eFuels	32% SAF, thereof 8% eFuels	38% SAF, thereof 11% eFuels	63% SAF, thereof 28% eFuels

- **Targets to be met at every EU airport** with more than 1 Mio. PAX/100.000 t cargo per year as of 2030
- Obligation on airport operators to **provide the necessary fuel supply infrastructure**

DELANO

AVIATION

Luxembourg co-signs demand for higher sustainable aviation fuels target

Written by Tracy Heindrichs
Published on 01.02.2022

Share     

- SAF** Sustainable Aviation Fuel
- eFuels** Synthetic fuels, produced of power, water and CO2
- PtL** Power to Liquid



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lux-Airport invests in SAF based on renewable energy

Joining Norsk e-Fuel as a new shareholder



Our Partners

Norsk e-Fuel Shareholdersv

- **Sunfire**

Sunfire is a global leader for industrial electrolyzers. Sunfire's plants, which produce green hydrogen and syngas, enable the sustainable transformation of energy-intensive sectors such as the chemical, fuel and steel industries



- **Climeworks**

Climeworks' direct air capture technology supports you in achieving your climate targets. The air-captured CO2 can be used as a feedstock for a sustainable industry or removed from the air completely by storing it safely and permanently underground.



- **Valinor Norway**

Valinor is a Norwegian family-owned investment company specializing in sustainable solutions: Valinor makes early-stage investments in cutting-edge companies to enable solutions for tomorrow.



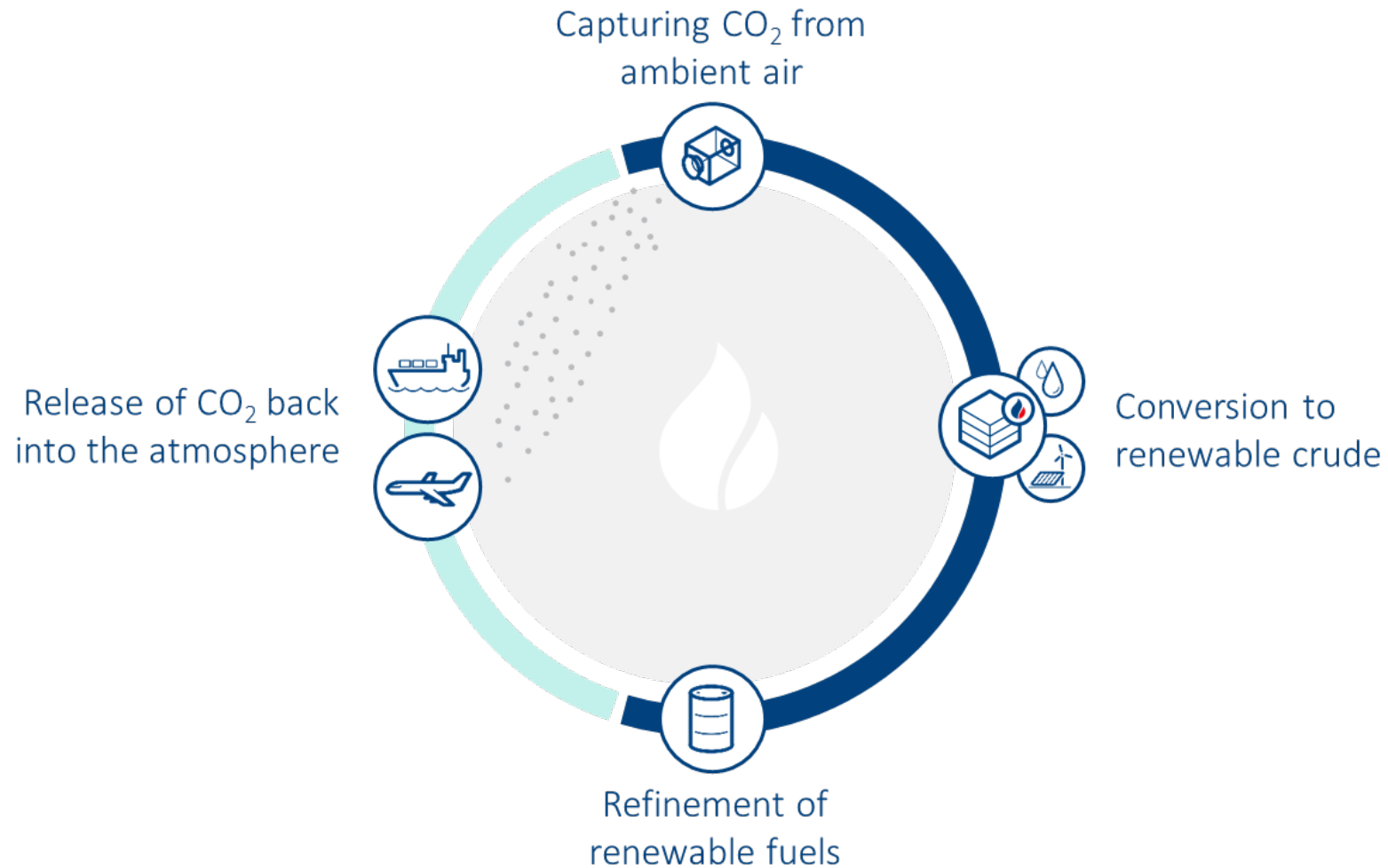
- **Paul Wurth (SMS-Group)**

As a leading technology provider and plant builder, primarily to the steel industry, Paul Wurth (SMS Group) is committed to contribute its engineering and project execution competences to a climate-friendly transformation of the industry.



Closing the carbon cycle

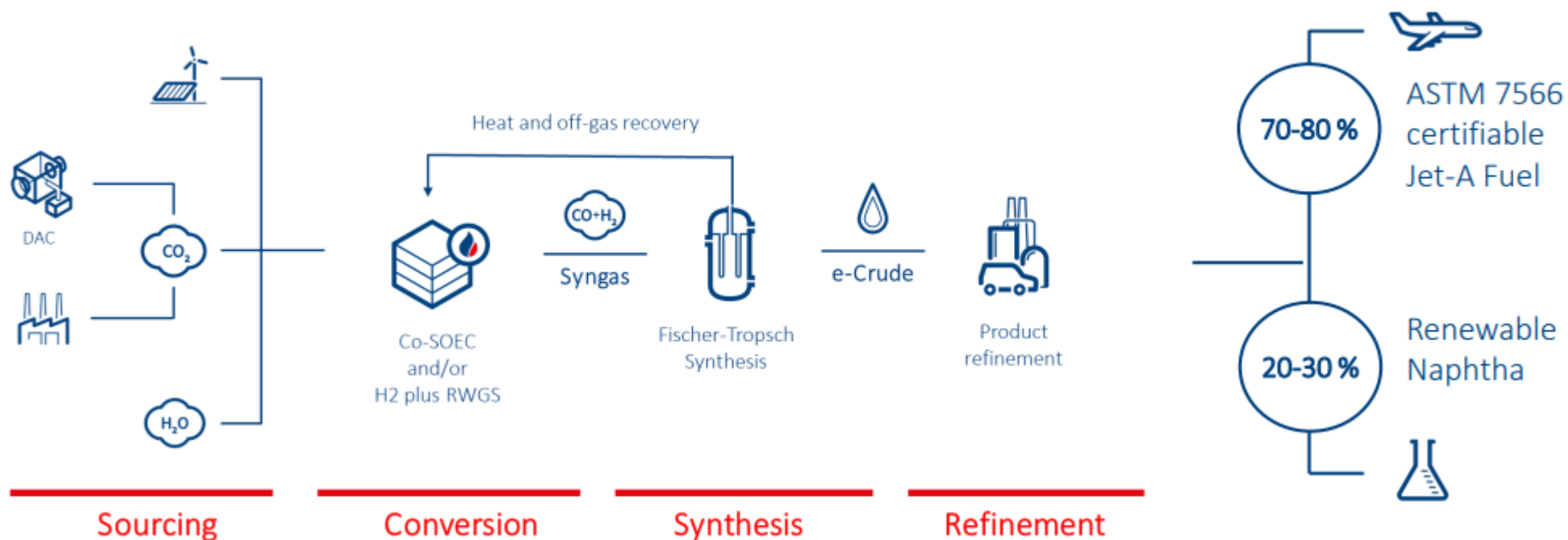
The unique Power-to-Liquid process



From Sourcing to Refinement

Value chain

Norsk e-Fuel integrates all required steps to receive ASTM certifiable fuel



The Location of the production facility

Mosjøen (Norway)

Mosjøen is the preferred site for the production facility

- Favorable access to abundance of low-priced renewable electricity
- Industrial history and traditions offer best basis for know-how integration and synergies
- Further growth and scaling potential
- Most advanced in the development of CO2 clusters/hubs



Next steps

Cargolux as potential co-investor and off-taker

- As part of its goal to reduce its carbon footprint and to achieve carbon neutrality by 2050, Cargolux is firmly committed to playing its part in this respect.
- We have been in discussion with norsk e-fuel to be a potential equity investor in the production plant at Mosjøen (Norway) and to enter into an off-take agreement for the output.
- To this end we have signed a Letter of Intent (LOI), subject to further due diligence on the project itself.
- If the outcome is positive, we will present it to our Board of Directors for approval.



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Thank you for
your attention!

It's time for
Q&A